| L Number         |         | Search Text  | DB                       | Time stamp                           |
|------------------|---------|--|--------------------------|--------------------------------------|
| _ i              |         | (("6041704") or ("5953426") or ("5790768")<br>or ("5710721") or ("5707158") or | USPAT                    | 7 2003/12730 10:48                   |
|                  |         | ("5651103") or ("5608636") or ("5155499")                                      | İ                        | ,                                    |
|                  |         | or ("5117374") or ("4978971")).PN.   |                          | 1                                    |
| ' - '            | 1       | ("4746234").PN.  | USPAT                    | 2003/12/30 10:57                     |
| -                |         | 4746234.URPN.  | USPAT                    | 2003/12/30 10:52                     |
| ' ~ <sub> </sub> |         | 4746234.URPN.  | USPAT                    | 2003/12/30 10:52                     |
| - i              | U       | 10/614,280   | USPAT;<br>  US-PGPUB;    | 2003/12/30 10:58                     |
| !                |         |  | EPO; JPO;                | · ·                                  |
| ı į              |         |  | DERWENT;                 | 1                                    |
| İ                | •       |  | IBM_TDB                  | ·                                    |
| 1 -              | 0       | method adj arrangement adj for adj   | USPAT;                   | 2003/12/30 10:59                     |
| 1                |         | processing adj printer adjerrors adj<br>during                                 | 'US-PGPUB;<br>EPO; JPO;  | 1                                    |
| i                |         | 1  | DERWENT;                 | ' į                                  |
| 1                |         | 1  | IBM_TDB                  | 1                                    |
| ļ <b>-</b>       | 0       | method adj arrangement adj for adj   | USPAT;                   | 2003/12/30 11:56                     |
|                  |         | processing adj printer adj errors adj<br>during                                | US-PGPUB;                | ` <u> </u>                           |
|                  |         | during   | EPO; JPO;<br>  DERWENT;  | !                                    |
| 1 .              |         |  | IBM TOB                  | !                                    |
| - !              | 40      | 4746234.URPN.  | USPĀT                    | 2003/12/30 11:00                     |
| - '              |         | 4746234.URPN.  | USPAT                    | 2003/12/30 11:00                     |
| -                |         | 4746234.URPN.  | USPAT                    | 2003/12/30 11:01                     |
| ' <u> </u>       | 40<br>1 | 4746234.URPN.<br>! ("5471925").PN.   | USPAT;                   | 2003/12/30 14:27<br>2003/12/30 11:58 |
| 1                | 1       | ( 5471525 7.118.   | US-PGPUB                 | 2003/12/30 11:38                     |
| i -              | 1       | ("5894792").PN.  | USPAT;                   | 2003/12/30 11:59                     |
| 1 .              |         |  | US-PGPUB                 | ]                                    |
| _ i              | 1       | ("5608636").PN.  | USPAT;                   | 1 2003/12/30 12:15                   |
| 1                | 7       | ! FEOGERS on and (column by column)  | US-PGPUB                 | 2003/12/30 12:16                     |
| -                | 1       | 15608636.pn. and (column-by-column)  | USPAT;<br>US-PGPUB       | 2003/12/30 12:16                     |
| `- I             | 0       | 5471925.pn. and (column-by-column)   | USPAT;                   | 2003/12/30 12:16                     |
| ļ.               |         |  | US-PGPUB                 | l I                                  |
| -                | 0       | ! 5894792.pn. and (column-by-column)   | USPAT;                   | 2003/12/30 12:23                     |
| ' I              | 1       | ("5146546").PN.  | US-PGPUB<br>USPAT;       | !<br>  2003/12/30 12:24 .            |
| - 1              | 1       | ( SI40540 ).EN.  | US-PGPUB                 | 2003/12/30 12.24                     |
| 1-               | 1       | ("5696541").PN.  | USPAT;                   | 2003/12/30 13:34                     |
| 1                |         |  | US-PGPUB                 |                                      |
| - į              | 3451    | schilling.inv.   | USPAT;                   | 2003/12/30 13:38                     |
| 1                |         |  | US-PGPUB;                | i                                    |
| i                |         |  | PPO; JPO; DERWENT;       | 1                                    |
| į                |         |  | IBM TDB                  | i i                                  |
| j                | 4       | schilling.inv. and tilmann   | USPĀT;                   | 2003/12/30 13:35                     |
|                  |         |  | US-PGPUB;                | 1                                    |
| 1                |         |  | EPO; JPO;                | i .                                  |
| l<br>I           |         | i  | DERWENT;<br>IBM TDB      |                                      |
| 1-               | 22      | !<br>  schlaaff.inv.   | USPAT;                   | 2003/12/30 13:36                     |
| ļ                |         |  | US-PGPUB;                | 1                                    |
| ļ.               |         |  | EPO; JPO;                | ' i                                  |
| i                |         | 1  | DERWENT;                 |                                      |
| _                | 1 2     | schlaaff.inv. and torsten  | IBM_TDB<br>USPAT;        | 2003/12/30 13:37                     |
| . –              | 12      | Schidall, inv. and corsten   | US-PGPUB;                | 2003/12/30 13:3/                     |
| !                |         |  | EPO; JPO;                | Į.                                   |
| 1                |         |  | DERWENT;                 |                                      |
| Ì                |         | !  | 'IBM_TDB                 | 2002/10/20 12 15                     |
|                  | 2       | jauert.inv.  | USPAT;                   | 2003/12/30 13:59                     |
|                  |         |  | US-PGPUB;<br>  EPO; JPO; | !                                    |
| ı                |         | 1<br>  | DERWENT;                 | 1                                    |
| <u>i</u>         |         | ·  | IBM_TDB                  |                                      |
|                  |         |  |                          |                                      |

|                | 2    | (printhead or "print-head") same pixel   | USPAT;                   | 2003/12/30 14:14   |
|----------------|------|--|--------------------------|--------------------|
| 1              |      | same ((direct adj memory adj access) or  | US-PGPUB;                | I                  |
| ļ              |      | "DMA") same (word or word\$9 or<br>  "word-by-word")                                 | EPO; JPO;                | ı i                |
| 1              | i    | word-by-word )   | DERWENT;<br>  IBM TDB    | 1                  |
| i _ ,          | 5    | 5808747.URPN.  | USPAT                    | 2003/12/30 14:06   |
| - :            | 3166 | two near3 buffer near4 memor\$9  | USPAT;                   | 2003/12/30 14:07   |
| 1              | 1    |  | US-PGPUB;                |                    |
| 1 :            |      |  | EPO; JPO;                | ļ                  |
| ì              | İ    | İ  | DERWENT;                 | ' \<br>:           |
| i_             | 518  | (two near3 buffer near4 memor\$9) and  | IBM_TDB<br>USPAT;        | ,2003/12/30 14:08  |
| i .            | 310  | ((direct adj memory adj access) or "DMA")  | US-PGPUB;                | 2003/12/30 14:00   |
| Ì              | i    | i  | EPO; JPO;                | ·                  |
| 1              | !    |  | DERWENT;                 |                    |
| 1              |      |  | IBM_TDB                  | i<br>              |
| -              | /9   | (two near3 buffer near4 memor\$9) and  | USPAT;                   | 2003/12/30 14:08   |
| 1              | 1    | (((direct adj memory adj access) or "DMA") same pixel)                               | US-PGPUB;<br>  EPO; JPO; | İ                  |
| İ              |      | same biver)  | DERWENT;                 | į ·                |
| 1              |      |  | IBM TDB                  | l ,                |
|                | 79   | ((two near3 buffer near4 memor\$9) and   | USPĀT;                   | 2003/12/30 14:09   |
| 1              | '    | (((direct adj memory adj access) or "DMA")   | US-PGPUB;                | 1                  |
| ' ì            |      | same pixel)) and ad<20020704   | EPO; JPO;                | :                  |
| į              |      |  | DERWENT;<br>IBM TDB      |                    |
| ! _            | 74   | ((two near3 buffer near4 memor\$9) and   | USPAT;                   | 2003/12/30 14:09   |
| 1              | , ,  | (((direct adj memory adj access) or "DMA")   | US-PGPUB;                | 1                  |
| į              | į    | same pixel)) and @ad<20020704  | EPO; JPO;                | ' !                |
| l              | ļ    |  | DERWENT;                 | '                  |
| 1              | _    | 60.44.70.4 49-0-9  | 'IBM_TDB                 |                    |
| - !            |      | 6041704.URPN.  | USPAT                    | 2003/12/30 14:13   |
| :              |      | 6041704.URPN. and ((printhead or printhead) "printhead") same pixel same (direct adj | USPAT;                   | 2003/12/30 14:15   |
| l<br>i         |      | memory adj access) or "DMA")   | EPO; JPO;                | 1                  |
|                |      | memory and accord, or size,  | DERWENT;                 | İ :                |
| i              |      |  | IBM_TDB                  | į.                 |
|                |      | 5953426.URPN.  | USPAT                    | 2003/12/30 14:14 ' |
| 1 -            |      | 5790768.URPN.  | USPAT                    | 2003/12/30 14:15   |
| -              |      | 5790768.URPN. and ((print\$9) same pixel same (direct adj memory adj access) or      | USPAT;<br>  US-PGPUB;    | 2003/12/30 14:15   |
| 1              |      | "DMA")   | EPO; JPO;                | i                  |
| 1              |      | , 5  | DERWENT;                 | 1                  |
|                |      |  | IBM_TDB                  | 1                  |
| _              |      | 5710721.URPN.  | USPAT                    | 2003/12/30 14:15   |
| l <del>-</del> | 1    | 5710721.URPN. and ((print\$9) same pixel   | USPAT;                   | 2003/12/30 14:21   |
| · i            |      | same (direct adj memory adj access) or "DMA")  | US-PGPUB;<br>, EPO; JPO; | 1                  |
| į              | 1    | i  | DERWENT;                 |                    |
| 1              |      | İ  | IBM TDB                  | 1                  |
| 1 -            |      | 5707158.URPN.  | USPĀT                    | 2003/12/30 14:21   |
| - !            | 0    | 5707158.URPN. and ((print\$9) same pixel   | USPAT;                   | 2003/12/30 14:22   |
| 1              |      | same (direct adj memory adj access) or   | US-PGPUB;                | 1                  |
| į              |      | ! "DMA")   | 'EPO; JPO; DERWENT;      |                    |
|                |      |  | , IBM TDB                | '                  |
| - Ì            | 6    | 5651103.URPN.  | USPAT                    | 2003/12/30 14:22   |
| ! -            |      | 5651103.URPN. and ((print\$9) same pixel   | USPAT;                   | 2003/12/30 14:23   |
| 1              |      | same (direct adj memory adj access) or   | US-PGPUB;                | 1                  |
| -              |      | "DMA")   | EPO; JPO;                | į                  |
|                |      |  | DERWENT;                 | i                  |
| :<br>  _       | 6    | 5651103.URPN.  | 'IBM_TDB<br>USPAT        | 2003/12/30 14:22   |
| , <del>-</del> | 4    | 5608636.URPN.  | USPAT                    | 2003/12/30 14:23   |
|                | _    | 5651103.URPN. and ((print\$9) same pixel   | USPAT;                   | 2003/12/30 14:23   |
| 1              | _    | same (direct adj memory adj access) or   | US-PGPUB;                |                    |
| i              |      | "DMA")   | EPO; JPO;                |                    |
| · .            |      |  | DERWENT;                 | i                  |
| i.             |      | 1  | IBM_TDB                  |                    |

|   | USPAT;    | 2003/12/30 | 14:24 ' |
|---|-----------|------------|---------|
|   | US-PGPUB; | !          |         |
| "DMA")  | EPO; JPO; | 1          | Ţ       |
| ! !   | DERWENT;  |            | 1       |
| t in the second of the second | IBM TDB   |            |         |
| - 9 5155499.URPN.   | USPĀT     | 2003/12/30 | 14:23   |
| - 0;5155499.URPN. and ((print\$9) same pixel  | USPAT;    | 2003/12/30 | 14:25   |
|   | US-PGPUB; |            | !       |
|   | EPO; JPO; | ı          |         |
|   | DERWENT;  | i          |         |
|   | IBM TDB   | 1          | !       |
| ' 7   5117374.URPN.   | USPAT     | 2003/12/30 | 14:24   |
| - 7 5117374.URPN.   | USPAT     | 2003/12/30 | 14:24   |
| - 22 4978971.URPN.  | USPAT     | 2003/12/30 | 14:24   |
| - 22,4978971.URPN.  | USPAT     | 2003/12/30 | 14:24   |
| - 1 4978971.URPN. and ((print\$9) same pixel  | USPAT;    | 2003/12/30 | 14:25   |
|   | US-PGPUB: |            |         |
|   | EPO; JPO; | 1          | 1       |
|   | DERWENT:  |            | 1       |
|   | IBM TDB   |            | :       |
| - 1 4978971.URPN. and ((print\$9) same pixel  | USPĀT:    | 2003/12/30 | 14:27   |
|   | US-PGPUB; |            |         |
|   | EPO; JPO; |            | 1       |
|   | DERWENT;  | :          | !       |
| ·   | IBM TDB   |            |         |
|   | USPĀT     | 2003/12/30 | 14:27:  |
| •   | USPAT     | 2003/12/30 | 14:27   |
| - 1:4746234.URPN. and ((print\$9) same pixel  | USPAT;    | 2003/12/30 | 14:28   |
|   | US-PGPUB: | į          |         |
|   | EPO; JPO; | İ          | 1       |
|   | DERWENT;  | •          | !       |
|   | IBM TDB   |            | ļ       |
| i - 5 i 5710721.URPN.   | USPĀT     | 2003/12/30 | 14:28   |
|   | USPAT;    | 2003/12/30 | 14:29   |
|   | US-PGPUB  | 1          | 1       |